

# Crash Data Queries through Kentucky State Police Collision Analysis for the Public Site

The following is a list of instructions and examples to help in running crash data queries commonly used by Highway Safety Grantees and typical requests related to highway safety efforts. The types of queries covered are listed below. If you have questions regarding these examples, please contact the Kentucky Office of Highway Safety at (502) 564-1438.

Query types covered (Click on links below to move directly to each query type)

- [City or County crash totals](#) (general query set up/criteria)
- [Speed related crashes](#)
- [Impaired driving related crashes \(both alcohol and drugs\)](#)
- [Motorcycle crashes](#)
- [Young Driver crashes \(crashes by age category\)](#)
- [Distracted driving crashes](#)

## General set up

Website address - <http://crashinformationky.org/AdvancedSearch>

From here the following screen will appear.

The screenshot shows the web interface for the Kentucky State Police Collision Analysis for the Public. On the left is a dark sidebar with the Kentucky State Police logo and a menu with links: Home, Dashboard Analysis, Analyze Collision Data, Location Search, Collision Code Values, and Yearly Collision Extracts. The main content area has a dark background with a yellow header banner that reads "THE KENTUCKY STATE POLICE WELCOMES YOU TO KENTUCKY COLLISION ANALYSIS FOR THE PUBLIC". Below the banner, the title "Search Collision Data" is displayed. The interface is divided into two main sections: "Menu" and "Conditions". The "Menu" section contains a "Clear Search" button and a green "Execute" button. The "Conditions" section has a text input field with the placeholder "Select records where all of the following apply", a "[Add Property]" link, and two small icons (a plus sign and a minus sign) on the right.

## Setting Up Queries for County or City Crash totals (General Query Setup)

The following are the properties (search criteria) one needs to add in order to run this type of query –

Click on Add Property to add the necessary information below -

- Collision date range
  - click on "is equal to" and change to "between"
- County and/or City Name (If interested in Statewide data, skip this criteria)
- Land Use Code – **Under Show All**
  - click on "is equal to" and change to "is NOT equal to" – Private Property
- Parking Lot Indicator – **Under Show All**
  - click on "is true" and change to "is not true"

Query should look similar to the picture below – Click Execute when ready to run.

## Search Collision Data

Menu	Conditions
<div>✖ Clear Search</div> <div>🔍 Execute</div>	<p>Select records where <b>all</b> of the following apply</p> <p><b>Collision Date</b> between <b>1 January 2017</b> and <b>31 December 2017</b></p> <p>and <b>County Name</b> is equal to <b>FRANKLIN</b></p> <p>and <b>City Name</b> is equal to <b>FRANKFORT (FRANKLIN CO)</b></p> <p>and <b>Show All Land Use Code</b> is not equal to <b>PRIVATE PROPERTY</b></p> <p>and <b>Show All Parking Lot Indicator</b> is not true</p> <p><a href="#">[Add Property]</a></p>

Query Results – Click on the arrow next to Collision to expand the results-

## Setting Up Queries for Speed Related Crashes

In order to pull the data for speed related crashes, you will use the same general query set up as used for the county or city totals.

Hover on the top row of the query window and click on the far + sign to add multiple (group of) criteria –

Search Collision Data

Menu

Conditions

Select records where **all** of the following apply

Collision Date between 1 January 2017 and 31 December 2017

and County Name is equal to FRANKLIN

and City Name is equal to FRANKFORT (FRANKLIN CO)

and Show All Land Use Code is not equal to PRIVATE PROPERTY

and Show All Parking Lot Indicator is not true

+ (+) Add group of conditions

Clear Search

Execute

Add 1<sup>st</sup> criteria - **Human Factor is equal to - Exceeded Stated Speed Limit**

Hover on the that says “and any of the following apply” and click on the first + sign for add condition, and choose Human Factor Code

Conditions

Select records where **all** of the following apply

Collision Date between 1 January 2017 and 31 December 2017

and County Name is equal to FRANKLIN

and City Name is equal to FRANKFORT (FRANKLIN CO)

and Show All Land Use Code is not equal to PRIVATE PROPERTY

and Show All Parking Lot Indicator is not true

and **any** of the following apply

Human Factors Code is equal to EXCEEDED STATED SPEED LIMIT

[Add Property]

+ (+) ○ ×

Agency

City Name

Collision Date

County Name

Environmental Factors...

Human Factors Code

Number Injured

Set 2<sup>nd</sup> criteria - **Human Factor is equal to - Too Fast For Conditions**

Query should look similar to the picture below – Click Execute when ready to run.

Menu	Conditions
<div>✖ Clear Search</div> <div>🔍 Execute</div>	<div>Select records where <b>all</b> of the following apply</div> <div><div>Collision Date between 1 January 2017 and 31 December 2017</div><div>and County Name is equal to FRANKLIN</div><div>and City Name is equal to FRANKFORT (FRANKLIN CO)</div><div>and Show All Land Use Code is not equal to PRIVATE PROPERTY</div><div>and Show All Parking Lot Indicator is not true</div><div>and <b>any</b> of the following apply</div><div><div>Human Factors Code is equal to EXCEEDED STATED SPEED LIMIT</div><div>or Human Factors Code is equal to TOO FAST FOR CONDITIONS</div></div></div> <div>[Add Property]</div>

Query Results – Click on the arrow next to Collision to expand the results –

### Setting Up Queries for Impaired Driving Crashes

In order to pull the data for impaired driving crashes, you will use the same general query set up as used for Speed Related Crashes. The only difference is the human factor criteria -

Human Factor Criteria –

- **Human Factor is equal to - Alcohol Involvement**
- **Human Factor is equal to - Drug Involvement**

Query should look similar to the picture below – Click Execute when ready to run.

Query Results – Click on the arrow next to Collision to expand the results –

### Setting Up Queries for Motorcycle Crashes (or unit type – pedestrian, bicycle, etc.)

In order to pull the data for motorcycle crashes, you will use the same general query set up as used for the county or city totals. The difference is that you will need to add one additional criteria for Unit Type.

- Add criteria: **Unit Type Code is equal to - Motorcycle - Under Show All**

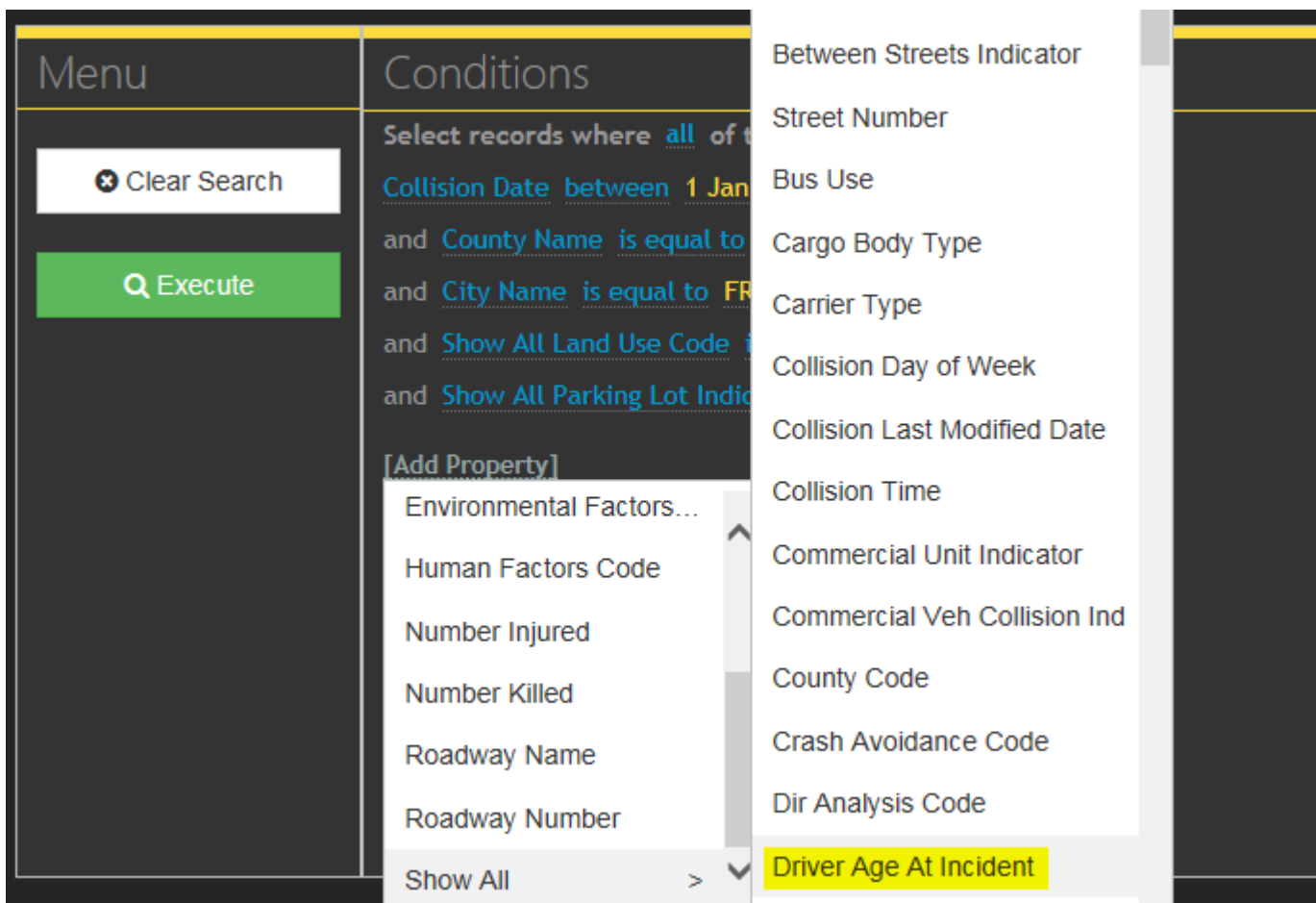
Query should look similar to the picture below – Click Execute when ready to run.

Query Results – Click on the arrow next to Collision to expand the results –

### Setting Up Queries for Young Driver Crashes (Crashes by Driver's Age)

In order to pull the data for young driver crashes, you will use the same general query set up as used for the county or city totals. The difference is that you will need to add one additional criteria for Drive Age.

- Add criteria: **Driver Age at Incident** - **Under Show All**  
- click on "is equal to" and change to "is between", and set to desired range (ex. 16-20)



Query should look similar to the picture below – Click Execute when ready to run.

Menu	Conditions
<div>✕ Clear Search</div> <div>Q Execute</div>	<p>Select records where <b>all</b> of the following apply</p> <p><b>Collision Date</b> between <b>1 January 2017</b> and <b>31 December 2017</b></p> <p>and <b>County Name</b> is equal to <b>FRANKLIN</b></p> <p>and <b>City Name</b> is equal to <b>FRANKFORT (FRANKLIN CO)</b></p> <p>and <b>Show All Land Use Code</b> is not equal to <b>PRIVATE PROPERTY</b></p> <p>and <b>Show All Parking Lot Indicator</b> is not true</p> <p>and <b>Show All Driver Age At Incident</b> is between <b>16</b> and <b>20</b></p>

Query Results – Click on the arrow next to Collision to expand the results –

### Setting Up Queries for Distracted Driving Crashes

In order to pull the data for distracted driving crashes, you will use the same general query set up as used for speed related crashes shown above. The only difference is the human factor criteria -

Human Factor Criteria –

- **Human Factor is equal to – Cell Phone**
- **Human Factor is equal to - Distraction**
- **Human Factor is equal to - Inattention**

Query should look similar to the picture below – Click Execute when ready to run.

Menu	Conditions
<div>✖ Clear Search</div> <div>🔍 Execute</div>	<p>Select records where <b>all</b> of the following apply</p> <p><b>Collision Date</b> between <b>1 January 2017</b> and <b>31 December 2017</b></p> <p>and <b>County Name</b> is equal to <b>FRANKLIN</b></p> <p>and <b>City Name</b> is equal to <b>FRANKFORT (FRANKLIN CO)</b></p> <p>and <b>Show All Land Use Code</b> is not equal to <b>PRIVATE PROPERTY</b></p> <p>and <b>Show All Parking Lot Indicator</b> is not true</p> <p>and <b>any</b> of the following apply</p> <p><b>Human Factors Code</b> is equal to <b>CELL PHONE</b></p> <p>or <b>Human Factors Code</b> is equal to <b>DISTRACTION</b></p> <p>or <b>Human Factors Code</b> is equal to <b>INATTENTION</b></p>

Query Results – Click on the arrow next to Collision to expand the results –